

Department
of Utter
Confusion
By Piddling Pat

To manifest the spirit of tolerance shown by Engineers to members of the lesser faculties we print the following:

They're awful cruel these engineers. With ugly sneers and gruesome leers. They fill our Co-eds with horrible fears. When winter comes.

A warning to our younger girls. To wipe away all fears and curls. To keep intact her beautiful curls. When winter comes.

A longer walk a steeper climb. But well worth while the extra time. To shun the path of plumber crime. When winter comes.

With a cheerful smile and a friendly nod. He'll greet you as you boldly plod. In fearless trust on medical sod. When winter comes.

The medical man always appears. To wipe away all fears and tears. The work of brutal engineers. The dirty Burns.

Apologies to Dorothy Parker.
Girls never make dimples.
At men who have pimples.

A guy from Arts
Never starts.

A guy from Law
Is mostly jaw.

As for an Aggie
His pants are baggy.

And every Dent
Is a perfect Gent.

A Commerce man
Is an also-ran.

An elderly Med
Is easily led.

But Engineers
Are perfect dears.

Shades of Peter Redpath.

We saw a girl in the library sewing
a button on a man's coat. A
stitch in time...

Red Cross Nurses.

A great deal of interest has been shown of late in the Red Cross nurse on the poster just above the Janitor's Office in our distinguished building. We were also intrigued when we noticed in the Arts Bldg. a somewhat similar sign. However, it lacked a certain sophistication—or something—something—sometimes referred to as "oomph." In the Arts Bldg. the requested donation was two bits, but the artist for our poster was not to be outdone, so he doubled the donation amount and, everything ran smoothly.

All right-minded girls have a dread
Of passing the Engineers shed.
For a maiden most pure
Inside they did lure.
(Omitted thru censorship. Ed.)

REVUE

There will be a chorus rehearsal this afternoon in the Union Ballroom at five o'clock. All those trying out for the chorus please be on hand wearing low-heeled shoes and Gym costumes.

Around The Globe

Foreign Affairs—Germans sink more British and neutral shipping. . . . Unconfirmed rumour reports Rawalpindi, armed merchant cruiser, sunk in Indian Ocean by pocket battleship. . . . Polish luxury liner, Pilsudski, strikes mine in North Sea. . . . Renewed tension on Russo-Finnish border. . . . Chamberlain states peace aims to Empire. . . . Dr. Bethune dies in China. . . . Italy reduces standing army to 1,600,000 men.

Canadian News—Arthur Purvis, head of C.I.L., leads Anglo-French Purchasing Committee in U.S. . . . Sandy Somerville, former Canadian and U.S. amateur golf champ is second lieutenant in C.A.S.F. . . . Canada sends beef, bacon, etc., to U.K.; an increase of 63 per cent. for months over last year. . . . Empire Air Training plans to be announced from Ottawa this week. . . . Colonel Ralston gives Dominion's financial standing regarding war. . . . Santa Claus arrives down the street from B.V.G.

C.O.T.C. INFANTRY
INVADED ST. JOHN
BY BUS SATURDAY

TRIP SUCCESSFUL

Camouflaged Gun Nests, Smoke
and Gas Tactics

SEE ARMY LIFE

Welcomed By Major Berteau
of Royal Canadian Dragoons
At St. John

By J. P. K.

Mystified by camouflage of a Vickers machine-gun nest, started by a demonstration of smoke and gas-bombs, interested by a tour of stables and barracks accommodation and cheered by a light supper in barracks canteen, members of the Infantry Wing of the McGill C.O.T.C. got their first insight into real army life, when they journeyed to the barracks of the Royal Canadian Dragoons, at St. John on Saturday.

Three hundred members of the Infantry Wing in charge of Major J. A. de Lalande, M.C., Officer in charge of Infantry Training for the Contingent, left the Campus in buses at 1 o'clock for St. John, where they were joined by a hundred cadets from the Macdonald College Company, in command of Major T. W. M. Cameron. The cadets formed into a hollow square around the barracks square and the programme began.

First the dragons put on a demonstration of infantry platoon drill with rifles, at the conclusion of which they gained a round of applause from the assembled cadets. Major Berteau explained that each platoon on active service, was equipped with such a truck and detailed the contents with which the truck is loaded. The truck contains sacks for great-coats, the men's packs, 3 machine-guns, an anti-tank rifle, a mortar, hand-grenades, wirecutting equipment, trenching tools, nets, ammunition for the rifles and guns of the platoon and other necessary equipment.

Demonstrates Functions.
While the functions of the truck and its equipment were being explained, the demonstrating platoon were donning camouflage helmets and jackets. Helmets are camouflaged by a special cloth cover which fits over the "tin-hat" and has holes in it through which branches and whisks of grass can be placed to offer confusion to an observer.

In battle order, the platoon marched several times about the square showing the organization of such a unit. Numbers four carried Bren guns as well as their rifles, and numbers five carried tripods for the guns, while number nine in the rear rank carried the anti-tank rifle. Other numbers were equipped with rifles only.

The next demonstration was that of a platoon in action in open territory. For this the polo field was used. The platoon entered the territory in single file by sections, then took up arrow-head formation by sections. While in extended order, they deployed for action against an enemy on the ground, and then on a given signal prepared to drive off a low-flying airplane. This was of interest to cadets and ex-service officers alike.

(Continued on Page Four)

THEOLOGS TAKE
DEBATE OPENER

Open Season's Competition,
Defeating Law

Resolved That Nationalized
Radio Is in Interests
of Canada

The Interfaculty Debating League got off to a successful start last Friday when Law and Theology went to the mat on the subject resolved that Nationalized Radio has been in the best interests of the Canadian people. Theology represented by John Owen and Leonard Griffith convincingly proved the affirmative of this question both to the satisfaction of the judges and to a very receptive audience. This was not accomplished however without stiff competition offered by Law in the persons of Leonard Seton and Lawrence McDougall.

Interfaculty Debates will undoubtedly prove of much interest this year to the student body as six faculties are represented in this league. The league has been divided into two sections: one composed of Law, Theology and R.V.C., the other comprises the mighty Engineers, Commerce and Arts. The winners of each section will meet in mortal combat for the championship.

The Engineers boasting many fine debaters such as Joseph Porteus and Samuel Hutchinson of Loyola fame and Howard Minogue former President of the Debating Union hope that they will meet R. V. C. in the final.

They wish to avenge their recent loss which they attribute to a frivolous resolution fit only for the female mind. On a topic of greater moment the Engineers feel sure that their greater reasoning power and personal attraction will prevail over whatever glamour R. V. C. may present.

DATE SET FOR COSMO
DANCE - MASQUERADE

The annual Dance-Masquerade of the Cosmopolitan Club will be held on Saturday, December 8. Tickets are priced at a dollar a couple. Seventy-five cents of this will go to the Red Cross and the rest will be used to send a delegate to the Canadian Students' Assembly Convention to be held at Macdonald College right after Christmas.

LIEUT.-COL. F. M. LOTT
TO ADDRESS DENTISTS

In keeping with the general policy of subordinating all Campus activities to the cause of the war the Dental Undergraduate Society is planning to have as its guest speaker at the annual banquet Lieutenant-Colonel F. M. Lott, head of the Canadian Army Dental Services. The banquet which is scheduled for 6.30 tomorrow night, will take place at the Cercle Universitaire on Sherbrooke Street East.

Lieutenant-Colonel Lott, who was professor of Prosthetic Dentistry at the University of Toronto prior to the outbreak of the war, is expected to outline to the assembled students the function and duties of the Dental Corps.

The executive has also announced that the banquet will be open to all members of the staff and officers of the Dental Corps. The prices will be as follows: Students \$1.25, officers \$1.50 and members of the staff \$2.00.

1851 Scholarships To Be Discontinued During The War

The Royal Commission for the Exhibition of 1851 has announced that it is not the intention of the Commissioners to award their overseas scholarships during the continuance of hostilities. (M.)

T. H. Matthews, Registrar.

ENGINEERS AGAIN...

Three years ago the Engineers took up the challenge put to the Campus by the Editor-in-Chief to issue an edition of the Daily. Since then it has become a yearly custom for the Second Year Engineering students to form the editorial board and be responsible for this issue. The reasons for accepting the challenge were that we wanted to learn by experience the problems of putting out a paper, and also we wished to show that we were interested, and able, to take our part in activities outside of the faculty of engineering, even though our course is a heavy one.

A year later the Engineering Debating Society was formed and has continued to develop and be of great interest. A number of Interclass and Interfaculty debates are held during the year at which the Engineers have been able to hold their own.

This year we added to our list of activities an "Open House" event on October 4th to welcome the First Year Engineering students. This enabled them to meet one another, and gave them an idea of the building and of their future courses. The staff co-operated, and experiments were performed which everybody enjoyed.

We still have two big events to which we look forward. The Annual Banquet is being held on November 30th at which the Principal Elect, Doctor Cyril James, has promised to speak. The Executive have taken pains to make it a success, and is expecting a full turnout. The Plumbers' Ball will be held on February 16th, 1940, and is sure to be as enjoyable as in former years. The proceeds will go to the funds of the Red Cross.

We again thank the Managing Board of the Daily for allowing us this opportunity to express our ideas, and to show that the Engineers are a united body with a spirit that is second to none on the Campus.

JACK DODD,
President, Engineering Undergraduate Society.

Dr. E. W. R. Steacie Speaks to
McGill Chemical SocietyMOUNT ALLISON
PROPOSES UNION

Call Students' Union Meeting
Today

CAMPUS OPINION
Plan Sending Delegates to
One Conference
Only

Sackville, N.B., November 26.—(C.U.P.)—Edgar T. Tweedie, president of the Students' Union of Mount Allison University has called a meeting of the Union tomorrow afternoon to consider the question of sending delegates to the National Conference of the C.S.A. and the N.F.C.U.S. This has been a live topic of discussion during the past week, and it seems possible that delegates may only be sent to one of the national conferences.

The general feeling of the students is that there is no need for two such national student organizations, and that much more could be accomplished by the amalgamation of both organizations. A committee was appointed to study the question and has reported in favour of recommending that the two organizations be amalgamated at the earliest possible instant. The report (Continued on Page Four)

Hilarious Plumbers Make Merry,
Proudly Extol Their Exploits

By W. R. H.

Friday night, in the Union, saw the biggest turnout that McGill has ever had for the annual Mining and Metallurgy Banquet.

The student body was honored by a hundred per cent. attendance on the part of the members of the staff, and by the presence of a graduate, Mr. Leslie Weldon, who gave an illustrated lecture the other night in the Engineering Building. Mr. Weldon has just returned from South Africa where he joined several other graduates in creating a new reputation for the McGill Mining and Metallurgical Department.

Mr. Gustafson officiated and, with the full co-operation of all attending, presented a well planned program. After the dinner all the members of the staff and the guest, Mr. Weldon, were called upon to speak. Some very interesting and humorous incidents were recounted.

Prof. McBride spoke of his early experience as a junior engineer.

Photosensitization
Discussed as Method
Of Investigation

The speaker was introduced by the President, Dr. P. G. Stevens.

Dr. Steacie discussed Photosensitization more as a method of investigating mechanisms of organic decomposition reactions, than in interpreting results obtained.

Organic compounds decompose generally by a first order reaction, and when sufficient energy to disrupt the connecting bonds has been added to the molecule, decomposition will occur. The activation energy is that number of quanta of energy which must be localized in a given bond before reactions occurs. Most organic compounds decompose by the split of a single bond to give free radicals; any subsequent reaction product is due to the interaction of these radicals.

The value for the strength of the linkage between pairs of atoms is rather uncertain, but in a given compound is the energy required to split a given bond. In general, the C-C link is weaker than the double-bond C=C bond, which, in turn, is weaker than the triple-bond, or the C-H bond.

Study Ethane

In studying the decomposition of ethane thermally, energy can be added in the form of heat to the point where a reasonable number of ethane molecules have energy in excess of that required to rupture the C-C link. But according to the

way back in nineteen hundred and two, when he went to Bisbee, Arizona. This was, by all accounts, a real old western mining town, and in those days it boasted of two streets, namely Tombstone avenue and Brewery Guleh.

A community song was presented and such old faithfuls as "There's a Tavern in the Town" received the usual airing and howling. Two of the boys rendered a duet and tore more than their throats to shreds.

This was followed by a well worded and well acted skit of a certain little (or big) girl by the name of Nancy Brown, who lived "up in them thar hills." It took a good city slicker and engineer to get her out of the hills. The leading role was played by a buxom lass (or lad) of the student body. He (or she) played opposite a very pretty boy under a plug hat.

Somewhere about ten o'clock the party broke up, and all good engineers disbanded in a most orderly fashion.

PRINCIPAL-ELECT F. C. JAMES
TO ATTEND ANNUAL BANQUET
OF ENGINEERING SOCIETYNAZI ECONOMY
TO BE TREATED

Professor Moritz J. Bonn, Econ-
omist, to Give Lecture

Address to Deal With Ger-
man Economic Factors in
Present War

"The Economy of Nazism" will be the subject of a lecture by Professor Moritz J. Bonn, authority on economics, Wednesday at 8.15 in Moyses Hall. The speaker will explain the economic structure of Nazi Germany and will deal with the reasons for many predictions of its imminent financial collapse ever since the advent of Hitler to power. In connection with the current European hostilities, Professor Bonn will evaluate Germany's chances of financing a long war.

After the close of the Great War Professor Bonn acted from 1919 to 1921 as adviser to the German government on the problems connected with war reparations. He was formerly Rektor of the Handels-Hochschule of Berlin and recently has been a lecturer at the London School of Economics. As a faculty member of the Geneva School of International Studies he has done research work.

During the first three years of the World War, Professor Bonn occupied the position of visiting Professor successively at the Universities of California, Wisconsin, and Cornell. He has lectured also at the Institute of Politics at Williams-town. The speaker has written a number of treatises dealing with American and European economics and politics. He is at present preparing a pamphlet on "New Factors Affecting War" for the Royal Institute of International Affairs.

After his address at McGill, Professor Bonn is scheduled to deliver lectures on allied topics at Queen's, Toronto, and Columbia, as well as to several American learned societies.

Avukah

A supper-meeting of the McGill Avukah Chapter will be held Wednesday, November 29th, at 6.00 p.m. at 527 Sherbrooke St. W. (beside R.V.C.) Mr. David Rome, M.A., B.L.S., will be the guest speaker. All Maccabean Circle members, especially fresh, are invited. There will be a slight supper charge (25c). The meeting will last from 6.00-8.00 p.m. (Tue.)

Boltzmann distribution law, a certain number of molecules have an energy greatly in excess of that required and a certain number have an energy content much less. It is desirable to give a small number of molecules all the same amount of energy, and this is accomplished photochemically.

Essentially the procedure involves the mixing of the reactants with a suitable metal vapour, and irradiating the system with an intense source of light. The metal vapour absorbs the light at some specific wave length, becomes activated by the absorption of a definite amount of energy, and then hands on this energy to molecules of the reactants. The advantage of the method lies in its ability to confer, by collision, a known amount of energy to a fraction of the total number of molecules of the reactant. By suitably choosing the metal vapour, different amounts of energy can be imparted to the molecules of the gas, depending on what wave lengths, and to what extent the light is absorbed by the metal vapour.

Dr. Steacie discussed the probable mechanism of energy transfer between the activated metal vapour and the gas, and indicated the nature of work being carried out at present in this field, by the use of cadmium and zinc as the metal vapour.

Following a discussion period, the President thanked the speaker on behalf of the Society, and the meeting was adjourned.

House Builders
Tour Ottawa
Court Site

Train Wreck
Features
Tour
By A. K. R.

In keeping with the new policy of the School to bring the students as close as possible to actual construction, the Architects visited Ottawa on Friday, November 24 to see the new Supreme Court Building. Upon arrival in Ottawa the students were welcomed by the Architectural Graduates of the City, under the chairmanship of Mr. Hugh Richards. The students were then conducted on a tour by Mr. Mitchell, the superintendent at the building.

On the return journey, at Laval des Rapides, the students felt the train slow down and come to a standstill. About five seconds later they were shaken and bumped around strenuously. Then there was dead silence. Some rather dazed architects picked themselves up from the floor and peered at their fellow students through the clouds of dust which had arisen.

As they gradually came back to their full senses, they began to discover things. Bob Esdaile and Henry Langston discovered that they had cut heads. Stuart McNab, putting his hands up to his eyes, remarked, "My, I was lucky I didn't have my glasses on!" only to discover that they had bounced right off his nose and were in a rather pulverized state on the floor.

Injuries Galore.

Apart from Bob Esdaile's head, which incidentally required 3 or 4 stitches, and Langston's serious cut, the architects escaped with only slight bumps and bruises. The lady architects and Mrs. Wilson, in particular, were very lucky and suffered nothing more than a rather shaken up feeling.

Of course there was great excitement as the students rushed up front to see the ruins. The crash occurred only about fifty feet from the bridge. Both engines and several cars were derailed and one engine was overturned. The glass in a number of the cars was shattered and many of the couplings between the cars were broken. After the engines collided there was approximately thirty or forty feet between them. The students learned next day from the papers that only six or seven passengers were injured outside of those who received minor cuts and bruises, and only one case is considered serious.

The students managed to secure some brandy for Esdaile and many of the architects wonder what happened to the half empty bottle which was seen after Esdaile had left. Private cars were used to take the students the remainder of the journey.

Impressions by the Victims.

D. Skelton:
"We architects engineers de-
test
To mow us down they did
their best,
(Continued on Page Four)

DINNER THURSDAY

Large Attendance Expected for
Get-together

TICKETS COST \$1.25

Three Cash Prizes to Be
Awarded for Winning
Essays

On Thursday of this week the premier event of the Engineering Undergraduate Society will take place in the Queen's Hotel at 7.30 p.m. The guest of the evening will be Principal-elect F. Cyril James who will address the gathering informally. In addition at the head table will be seated Dean E. Brown and the heads of the various departments, together with representatives from the Universities of Toronto and Queen's.

The banquet promises to surpass all others. The society has planned an extensive program which will include a five-course meal with appropriate beverages, a gala floor show from a leading downtown hot spot, and the Undergraduate Society awards for the prize winning summer essays. The all professional floor show and the Queen's Hotel menu will make this year's banquet compare most favourably with any preceding one.

Present Prizes.

The Undergraduate Society has appropriated fifty dollars of the student dues to be awarded for the three outstanding summer essays submitted to the faculty. The awards will be twenty-five, fifteen and ten dollars for the first, second and third best papers respectively.

The faculty have co-operated by postponing all tests which conflict with this all important event. This fact demonstrates the consideration the faculty shows for undergraduate activities. To assure a hundred per cent. attendance of the C. O. T. C. men the time of the banquet has been set forward to 7.30. It is hoped that the program arranged will insure the attendance of all undergraduate engineers. It is hoped that all other members of the teaching staff of the Faculty will be able to attend this engineering get-together. The society also extends an invitation to pre-engineering students in the Faculty of Science. "As has been the custom in past years invitations have been sent to the Engineering Undergraduate Society." (Continued on Page Four).

S.C.M. OPEN HOUSE

Students Hear Rev. Powles
and Prof. MacLennan

Last night the S. C. M. held Open House. The evening started with Chapel Service at Divinity Hall. The Speaker was the Reverend P. F. O. Powles, a former student of McGill.

The members then adjourned to Strathcona Hall where they listened to another talk by Prof. R. D. MacLennan of the department of Philosophy. In his talk he stressed the point that a university should be mainly interested in preparing the students for all services in a community and consequently should give a liberal education. A University should permit the students to obtain an imaginative grasp on certain subjects so that they may expand and enlarge upon later on in life.

Around The Campus

Today—Your chance to dance comes at 4 this afternoon. The place is the Pit, of course—The music is bottled jazz. "Let swing be unconquered."

Tomorrow—Chess fans are meeting at 2 p.m. in the Union. All interested.

Wednesday—Notice to Intellectuals—Hear Prof. Bonn's lecture on "The Economy of Nazism" in Moyses Hall at 8.15 p.m.

Thursday—Bacchus on a Binge, and I do mean the Engineer's Banquet, no less.

Coming—The Cosmo Masque-Dance on December 8 and the Junior Prom one week later.

McGill Daily

THE OLDEST COLLEGE DAILY IN CANADA

Member, Canadian University Press
Published every week-day during the college year at 600 SHERBROOKE ST. W. Telephone LANcastre 2244.

Opinions expressed below are those of the Managing Board of the McGill Daily and not the official opinions of the Students' Society.

MALCOLM N. DAVIES... Editor-in-Chief
JACK L. GREENWOOD... Managing Editor
GEORGE C. McDONALD... News Editor
NORMAN CARDON... Sports Editor
G. H. FLETCHER... Advertising Manager

ASSOCIATE EDITORS
Feature Editor... Kitty Haverfield
Exchanges... Kaiman Kunin
Sports Features... William Cairns
Women's Editor... Katherine Atkins
Women's Sports Editor... Winnifred Fairhead
Music... Ralph D. Rabinovitch
Drama... Maurice Hecht

News
Hamlet... Bloomfield... Shan R. Dunn
Sydney Segal... Charles Bishinsky
Peter Wyman... Doug Armstrong
Elie Abel... Sydney Wagner
Edward D. Joseph... Andrew Gibb
M. M. Malen

ENGINEERING ISSUE
Opinions expressed below are those of the Managing Board of the Engineering Issue of the McGill Daily, and are not the official opinion of the Students' Society.

Sam Hutchinson... Editor-in-Chief
Howard Minogue... News Editor
Jack Wilson... Sports Editor
Joe Porteous... Feature Editor

REPORTERS
B. Panel-Raymond, R. Stopps, T. Daly, R. Zahlan, W. MacNaughton, W. R. Holden, A. Looker, J. J. Stewart, G. O'Neill, J. Richmond, Pete Stanley, Dave Haviland, John Brett, B. Burgess, Doug Rowe, K. F. Wright, Bill Cairns, Pete Gregory.

Montreal, Monday, November 27, 1939
Vol. XXIX—No. 40

War Propaganda

Since the start of hostilities, there has been marked interest shown in the methods employed to disseminate war news. Likewise considerable attention has been paid to the degree of restriction placed upon the expression of individual opinion on these topics.

With this in mind it is opportune to consider what is meant by "the right to freedom of speech" especially under war-time conditions.

We may grant at the outset man's right to freedom of speech. However, the word "freedom", as used here, must be defined. It is obvious then, that freedom of speech means freedom to speak the truth—as one sees it.—It does not give anyone the right to lie, even when the laws of the land don't forbid it. Again the right to freedom of speech is limited to the known rights of others, either individuals or the state. Thus we have laws against libel, perjury and sedition.

In short it must be realized that this freedom of the written or spoken word can and must be of a restricted nature.

Hence the government, in time of war, has a perfect right to censor the utterances of its citizens, if the safety of the nation is at stake. It must be remembered, however, that such censorship must be guided carefully. The restriction of public utterances, in a democracy, is a serious step to take. Hence in blunt words, no government has the right, under the pretext of war, to impose a censorship any stricter than is absolutely necessary for the preservation of national security.

Any sound system of ethics recognizes that the existence of a right calls into being a corresponding duty. Hence once the citizens of a country lay claim to the moral right to speak freely, they shoulder the burden, the duty, the responsibility of using and not abusing this liberty. Since war-time conditions exist, and since definite censorship under the War-Measures Act, is at present imposed on the country, the above mentioned duty falls upon two classes of people. Those whose utterances might conflict with the censorship laws, have the duty of remaining silent. A far graver responsibility, however, is shared by those statesmen and journalists whose opinions may be freely expressed. This class of people, who are our sources of information at the present time, have the solemn duty to print or speak the undistorted truth. Under this heading comes the question of war propaganda. It is obvious that our press and our politicians must present facts concerning the war in a cool, logical manner. They take upon their consciences a great responsibility, if they attempt to stampede the public along a certain course of action by selectively appealing to hatred, or other emotions. The decisions

My Dinner Date

By F. C. NEILL

One fine day last fall I was invited to my lady friend's home for supper. This consisted of tea, fancy cakes, cheese and crackers, much to my disgust. After these tidbits had been consumed we gathered in the sitting room.

To open the conversation, one of the girls asked me: "To what branch of engineering do you belong?" "Metallurgy," and much to my surprise the dear thing cooly asked: "And what is that?" Although she was an Arts student I really expected her to know that much. So unlike some of our profs, I took nothing for granted but started in at the bottom.

"You have pots, pans, knives, iron mats, jewellery and what not, which are composed entirely of metals, pure or alloys. Did you ever hear of anybody picking up a piece of native brass or steel? What do you put in your tea? Sugar? (Haw). You don't go out and shovel it up like sand, do you? No, it has to be refined from the cane or beet. Well, that is analogous to your bracelet there. You have gold in it, but to get the gold, you must refine it from the ore in which it is found. The job of refining the gold or, to be more correct, of making the ore give up its gold, is our job—the metallurgist's." I settled back in my chair and lit an evil-smelling pipe, well satisfied with my tremendous effort.

"How interesting, please go on!" This somewhat jolted me as I was thinking of a big steak smothered in mushrooms. "Go on, on with what?"

"About the gold, just how do you get the gold from the ore?" She paused here to blow away the smoke which seemed to be troubling her eyes. Meanwhile I was thinking to myself, "Well, sister, you are asking for it! You must be a follower of Dorothy Dix." But to get on with my story, I finally found a comfortable position in one of those ultra modern chairs and started my lecture to my little Arts girl. She did have beautiful blue eyes—funny I never noticed them before.

"Well, first of all, the gold is found in the earth's crust, not in the jewellery store, roughly speaking, anywhere from the surface to about nine thousand feet underground. That is over a mile, you know."

"Five thousand two hundred and eight feet, to be exact," she answered, rather smugly.

I had to smile as I was somewhat amused by her knowledge.

"Well, we have mining engineers..."

"Oh yes! that is what Bob is going to be, isn't it? Don't you think he is rather cute?"

"I suppose so, but I do know he never shines his shoes, and if he doesn't soon do something about it, we will have to take a collection and buy him a new pair."

At this point I pushed my own feet under cover.

"But as I was saying, we have mining engineers who mine the ore and send it up to the surface. From there on the metallurgist takes over and removes the gold from the ore."

"May I interrupt?"

"Why, yes?"

"How do you get so far down into the ground?"

"Well, my dear girl, do you know what a drill is? Good! I didn't believe her, but I wasn't getting into any more difficulties than I could help."

"When you are digging in the garden, you use a shovel, don't you? But suppose you wanted to dig a hole in pavement, your shovel wouldn't be much good to you. Well, anyway, some brainy engineer, (I hope he was an engineer) invented a drill. You know, just like the one the dentist uses, but only a lot larger."

"Oh yes, I know now."

"So the miners drill a big hole and then run levels from it. Wait a minute, suppose we dropped the Sun Life building into a big cavity, then the elevators would be our shafts and the floors our levels. Comprenez?"

"Oui, mon petit garcon."

I was glad she didn't say any more as I would have been lost.

"Let us get back to the surface. The miners send the ore up the shaft and dump it into a big bin. They are lazy fellows and don't like to break it up too fine, so we have to crush and grind it. Do you know anything about chemistry?"

"No, my dear engineer, I am an Arts student."

And a glorified one at that, I thought to myself.

"Well I'll try and make it as clear as I can. So far we have the ore ground up to very fine particles and we want to get the gold free of its surrounding rock. Cyanide and lime are

added to the circuit, the lime supplies the alkalinity, while the cyanide unites with the gold. To make certain that the cyanide unites with all the gold, we run the solution through a series of agitators. The next step is to allow the solution to settle, and by drawing off the clear solution, and filtering, it is cleaned. To get the gold back into a free state, we add metallic zinc dust; the zinc unites with the cyanide and sets the gold free. The resulting mixture is caught in another filter, which is periodically cleaned. The last step consists in separating the gold from this black, greasy compound. This is done by adding a flux, composed of sand, flour and borax, which is roasted in a small furnace. The slag formed from the flux and zinc cyanide floats to the top and is periodically run off. Finally the gold bricks are poured, weighed and shipped to the mint."

"May I come in?" asked our hostess friend.

"Oh, darling, I'm learning all about gold mining from my big metallurgist. How thrilling!"

My neck started to get warm but I managed a smile and mumbled something about the funny looking dog they had.

"So that is what a metallurgist does," she resumed, "Are you the boss of all that?"

"Well, if I am lucky enough, I hope to have a mill of my own some day, but that's not all, we also have to learn something about all the rest of the minerals and what I've told you is just a bare outline—nothing technical at all. So I hope you see now why we don't spend half our time playing bridge in the Pit or ogling on the Arts' steps."

"Now, aren't you badly amused! I'll have to take this up with my adviser."

The only answer I gave to this was an ironical smile. But right now, I am as hungry as I was then, so P.C., get out the bread and jam. But damit all, she did have beautiful blue eyes!

added to the circuit, the lime supplies the alkalinity, while the cyanide unites with the gold. To make certain that the cyanide unites with all the gold, we run the solution through a series of agitators. The next step is to allow the solution to settle, and by drawing off the clear solution, and filtering, it is cleaned. To get the gold back into a free state, we add metallic zinc dust; the zinc unites with the cyanide and sets the gold free. The resulting mixture is caught in another filter, which is periodically cleaned. The last step consists in separating the gold from this black, greasy compound. This is done by adding a flux, composed of sand, flour and borax, which is roasted in a small furnace. The slag formed from the flux and zinc cyanide floats to the top and is periodically run off. Finally the gold bricks are poured, weighed and shipped to the mint."

Why An Engineering Daily?

As this, the fourth Annual Engineering Daily comes off the presses, many students would be interested in knowing why this unique event takes place each year; and since we, as a Faculty, are proud of our venture into the realms of journalism, your reporter has been bothering the life out of everybody in general for the past few days, trying to learn the circumstances behind the first, history-making Engineering Daily.

It seems that during the winter of 1936, the Managing Board of the Daily, headed by John H. McDonald, came in for more than its fair share of criticism—constructive and otherwise—of policy, management, and everything that goes to make up a daily paper. In desperation they asked that their attackers hold an organizational meeting and publish a Daily as they thought it should be published. It so happened that several enlightened students of Eng. '36 were the only critics with good intentions, and so they formed an Engineering board, headed by Fritz Dugal; and accordingly on March 12, 1936, the first Engineering Daily was in the hands of the student body of McGill. It was an instant success, and the Engineering Undergraduates Society decided that, subject to the approval of the Managing Board of the Daily each year, it should be an annual event. Such permission has never been withheld, indeed the Daily "regulars" have proved themselves ready to help us with the small, technical details connected with the actual publishing of a Daily.

The first Engineering Daily came at a time when even the Engineers were ready to resign themselves to the fate predicted by the other faculties. They boasted that they were too busy to take any part in extra-curricular activities. They had no interest in anything around McGill except the Engineering Building. In short, they had gone stale on themselves, and were not trying to do anything about it. In taking over the Daily for just one night, they tackled a terrific job—for an Engineering Daily is a Faculty project, not the product of the minds of some half dozen people. They attempted something which had not the remotest connection with Engineering and they found that they could do the job! By successfully publishing this Daily for four years in a row, we have proved to McGill in general and to ourselves in particular that we do not have to eat, sleep and live Engineering—that we can take our rightful place with the other faculties as a part of McGill University, in our work, in our play, and in our extra-curricular activities.

Long Live the Engineering Daily!

THE ENGINEERS

We're poor benighted Engineers,
Without a friend except our beers
Which number forty fanning high;
But we'll be happy 'till we die.

We're satisfied to wear our paths
Midst a beer or two and higher maths,
Or perhaps a dash of draughting work,
Or a physics lab we'd love to shirk.

But we're happy in our simple way,
For those who work must also play.
And you'll admit without fuss
That the pretty girls are for Us.

—G. C. O.

TO THE CO-EDS

Charming co-eds of McGill,
Have you come to study here?
Or have you come with siren will
To gain a marital companion?

You are the source of this staid place,
The balm of all men-student eyes,
Of you epitomes of grace
Esteem with friendship multiples.

The exceptions to these ideal rules
Are recompensed with intellect;
Thus where your mind are not jewels
The gifts of fancy gain you respect.

Charming co-eds of McGill,
Let us ignore why you come here;
Continue always to instill
With shame the studious atmosphere.

Cryptogram Contest

CASH PRIZE \$10.00.

The following message is in what we believe to be a new type of code. We hope it will offer a challenge to Campus Cryptogram enthusiasts—and other people in need of \$10.00.

KYFMT BEHMRJF GOJTNUR
AKT SKPFOUAK
FO WHCYRF HTLNZ TAK
BLFOXXX PZLQ
AKVX FO TGURZ LSNVU
GOTNUUL TAK
DES CYHQLSRBUXX ROQFNDFZ
ZDDKG
DGA FO GHBAIXEB LXEYC
AKVX

RULES—Solution to code message must be written on one side of paper only. All solutions must be in the hands of the judges before midnight November 30.

Name of winner to appear in McGill Daily on Friday December 1.

Board of Judges will consist of the Editorial staff of the Engineering Issue of the Daily.

Send replies to Cryptogram Contest c/o Fred Marlon, Engineering Building.

In Case of Tie, duplicate prizes will be awarded.

THE DECISION OF THE JUDGES IS ABSOLUTELY FINAL.

Mount Royal

"Nestling so peaceful and calm
'neath the hill."
"The damn thing's a precipice,
Not merely a hill!"
"I climb it last year
And I'm climbing it still."
"Comes summer or winter,
Foul weather or fair,
I'll never be happy
As long as its there."
Thus spoke a "Monk,"
As he quaffed off his beer
And called for another
To add to the cheer.
I withdrew to a corner,
And sank in a chair.
'T was there I happened to
Learn why it's there.

This did they tell me
They swear it is true
Here are the facts
I'll give them to you.

Once upon a summer day
(In prehistoric times),
The earth was feeling sort of gay,
And soon was making signs
For its lovely little satellite
To stop a while and play.

Now the earth was young and handsome;
And the moon she wasn't shy
She said that she'd be glad to come
And pass the time of day.
So this is the way it came about;
And remember, the earth was young!

He wasn't quite the gentleman, or
So the maiden said
As she bounced a mighty meteor,
Off his unprotected head.
The blow raised quite a lump.
And the earth was feeling sore.

The earth and moon have grown old,
But that lump reminds us still
Of the reason why the moon's cold
When she looks down on our hill
For that lump is now called Mount-Royal
And its just behind McGill.

What is difference between
Morocco and Cornwall?
Well, in Morocco the Moors come
Down from the Hills. . . . G.C.O.

The Tale of the Terrible Ten

Ten strong engineers on a good time
One lost his supper and then there were nine;
Nine brave engineers staying out late
One met a cute nurse and then there were eight;
Eight smart engineers keeping out of heaven
One crossed a red light and then there were seven;
Seven loud engineers beering at the Ritz
One lost his overcoat and then there were six;
Six slopped engineers bounced from a dive
One hit the gutter and then there were five;
Five lusty engineers shouting for more
One went in the Chick-N Coop and then there were four;
Four howling engineers outside R.V.C.
One climbed the fire escape and then there were three;
Three tired engineers another one went through

Waste Organic Matter

The above title is perhaps not quite correct. Some materials such as coal, while organic in origin, are not waste by any means; yet their value in industrial chemistry makes "waste" seem like a good description of their relative value as raw material. It may be of interest to describe some of the useful products obtained by chemical and physical treatment of refuse, common raw materials, surplus farm produce, etc.

Most people agree that the best place for orange pulp after extraction of the juice is in the garbage can. Not so the waste-aborning chemist; from citrus fruit pulp he makes a synthetic resin suitable for electrical insulators, plugs, sockets, and so on. The process is basically one of extraction of the fruit pectin by hot acids; the resulting solution is treated with carbolic acid, and the resulting resin may be moulded readily.

In Italy, smartly-clad women are wearing woollens made largely by synthetic wool. This material is a derivative of milk, which some older people may remember as a beverage at one time! The artificial wool fabric which contains about 30% of real wool, is more expensive and somewhat inferior to the genuine article; however, in Italy the shortage of sheep's wool makes it practical.

Corn meal is now yielding a rather good artificial silk, which seems to be superior to rayon in several ways, notably in its resistance to washing and strain while damp. When corn meal is treated with a suitable solvent, there is obtained a solution of zein, a protein-like substance. The zein is forced through tiny orifices, coming out as filaments many times finer than a hair. These are coagulated in a bath of formaldehyde. The filaments are withdrawn and heat applied; this dries them and also helps to bring about further reaction, resulting in a tough, elastic thread. When the filaments are twisted into yarns, the latter can be woven into textile fabrics. The Corn Products Refining Company of New York is manufacturing this material.

Another synthetic silk which promises to be a headache for the Japanese silk industry is Nylon, manufactured by the great du Pont organization. This remarkable product could be seen at the New York World's Fair, adorning the legs of the personable young guides in the du Pont exhibit. Although the manufacture of nylon is somewhat involved, the raw materials are simple enough—coal, air, and water. The woven product rivals natural silk in beauty, exceeding its wearing quality, elasticity and resistance to deterioration by repeated washing.

Also made from the same raw materials is Lucite, a synthetic resin about half as heavy as glass, more transparent, and not brittle. It therefore will not shatter, reduces glare due to reflection of light, and most wonderful of all, light entering one end of a rod which has been twisted into knots will come out of the other end not greatly diminished!

Beautiful snow-white plastics for butchers' scales, counters, piano keys, etc., are made from the aforementioned formaldehyde plus urea. Urea in turn is synthesized at the du Pont plant from ammonia and carbon dioxide. These plastics may be coloured in all hues, and the variegated little trinkets that women now wear on their hats and clothes are usually made of urea-formaldehyde plastic.

For a long time, Japan has held a monopoly on the supply of camphor. Prices for camphor have risen at times to exorbitant levels. In 1918, during the flu epidemic, the price of Japanese camphor was \$3.73 a pound. Today, the U. S. A. produces its own camphor, synthesized from the turpentine of Southern pine trees. The price is about 35 cents a pound.

Rubber is another industrial necessity which is being challenged by artificial substitutes. Synthetic rubber is manufactured in many countries today; the American product made by du Pont from coal, salt and limestone, is called neoprene. It is far more resistant to heat, oxidation, abrasion and corrosive action than natural rubber, and hence has many advantages when used near oils and certain acids. However, the price, at 65 cents a pound is still high, and it is only practical where natural rubber is not available. A bonding agent which permits natural rubber to be coated with artificial rubber is available in England; the corrosion and grease resistance of the artificial (Continued on Page Four)

One hit the leaning tree and then there were two;
Two sleepy engineers in the Sandwich Shop for fun
Up came a waitress and then there was one;
One broken engineer sweating like a man
Leaning on the counter with two




"How about—'Let's have another cigarette'?"
"O Kay—if it's a Sweet Cap."

SWEET CAPORAL CIGARETTES
"The purest form in which tobacco can be smoked."

MEN'S SOCKS
By PENMANS — and INTERKNIT
SPECIAL VALUES FOR LONG WEAR
.39c .50c .75c \$1.00 per pair
Wm. McLaughlin Reg'd
1461 McGill College Avenue

STUDENTS
After the Show, Dine at
"AUX DELICES" French Restaurant
All-Parisian Meals: Hors d'Oeuvre a la Parisienne: Sea Foods: Oysters, Burgundy Snails, Oyster Patties; Frogs' Legs; Chateaubriand; Foresters; Crêpes Suzettes, and All-French Pastry and Delicacies.
EVENING SPECIALS
1204 ST. CATHERINE ST. WEST AT DRUMMOND

BE SURE TO ASK FOR Gurd's "Dry"!
At The Union: At The Stadium: And Everywhere!
Gurd's Beverages have been "University" favorites for over 70 years



The ENGINEERING INSTITUTE of CANADA



Extends a Cordial Invitation
to engineering students of McGill University to attend the meetings of the Montreal Branch of The Institute, held every Thursday evening, and the Junior Section meetings held twice a month.

Student Membership in the Institute
is open to undergraduates in the Faculty of Engineering and permits participation in the activities of a Dominion-wide, national, engineering society—an organization of some 4,800 engineers, qualified in various branches of the profession in accordance with rigid standards. Institute Branches are located in twenty-five cities throughout Canada, and constitute local centres for professional and technical meetings.

Headquarters,
2050 Mansfield Street, Montreal
L. Austin Wright, A.M.E.I.C.,
General Secretary.

JUNIORS MEET ROYALS SEXTET IN HOCKEY TILT

Redmen Out for Second Consecutive Victory

ROYALS FAVOURED

Freshmen Show Up Well in Practice Against Senior Squad

Tonight the Juniors meet Royals in their most important game to date. Should they win they will have cleared the highest hurdle in their race towards the title, if they lose, Royals will be the team to beat. Although Royals are favored to win they will find McGill no weak opposition and will have a tough battle on their hands if they are to live up to the predictions of the experts.

With a 5-2 victory over Concordia behind them, the Juniors are prepared to extend their unbeaten streak to the championship. Combining plenty of scoring punch with good defensive play the present squad is the best to carry McGill's colors in the past few seasons.

Coached by Bruce Crutchfield the present Juniors are a smooth working, well balanced squad, with Jack Keay, Harry Marshall and G. Hellever starring in front of the blue line, with Bruce Ward and Ross Ritchie providing an air tight defence. McGill has an even chance of victory to-night.

In their last heavy practice before meeting Royals the Juniors clashed with the Seniors. Although the Seniors were victorious by a slight margin the Juniors gave them plenty to worry about. Many of them displaying ability that will make them hot Senior prospects in the next year or so.

Out for his second practice this season Earle Smith displayed a steady brand of hockey that should make him a useful man in the tight spots. Ritchie will again be between the posts for McGill and judging from his stellar performances, so far, he should prove practically unbeatable, although Coach Crutchfield does not predict victory, he is confident that his boys will be in there fighting and will give a good account of themselves. However, tonight will tell, if the Redmen defeat the Royals they should carry off league honors, if Royals win, who knows.

Probable line-up:
Goal: Ritchie.
Defence: Ward, Morrison.
Forwards: Keay, Marshall, Hellever.

Alternates: Smith, Dunn, Farmer, Holden, Desrosier, Drew, and Bradwell.

BASKETBALL

Junior and Senior practice today from 5-6 p.m. Intermediate practice on Tuesday from 5-6 p.m.

Responsibility walks hand in hand with capacity and power. — J. G. Holland.

engineering sports

by chemeng 3

It seems to be a common belief that the most popular Engineering sport consists of raising an elbow and twisting a wrist with great mechanical precision so that the somewhat alcoholic contents of a stein are sent gurgling down a parched gullet. Engineers themselves apparently consider it their duty to foster this belief and it must be admitted that some do a very good job. However, as this column will try to point out, nearly every sport played at McGill attracts Plumber; many of whom end up on Intercollegiate All Star teams. Some even reach such dizzy heights as to receive from the Daily dignified tributes to their skill.

Since the Football season has so recently been pronounced dead with the publication of the Intercollegiate All Star team let's start with that sport. To begin with two of McGill's three All Stars, Alec Hamilton and Howie Bartram are Engineers as are also, Morse, McGibbon and Sander. Ben Stevenson probably got some of the power for his driving line play from trying to push through the tightly packed masses of fellow Engineers who congregate in front of Fred Barton's office between periods and Perry Foster would have been fighting the ball high and far for the Redmen if he hadn't been injured early in the season. Muttelbury and Holliday were Plumber who performed regularly for the McGill seconds who won their division of the Q. R. F. U.

Karl Gustafson starred all season for the Red soccer team which took the Eastern Intercollegiate title. Richer and Wolever were members of the tennis team which came very close to upsetting Toronto and Jack Wilson swung a mean set of golf clubs for McGill.

When the big Red team starts out in quest of its eighth successive hockey title Howie Walker and Ken Brands are almost certain to star and in another winter sport, skiing, Engineers are well represented in the persons of Captain Don Tirrell and Chris. Mamen. Sandburg, Drysdale and Kisilevsky are plumber hoopers and Pete Stanley and Tom Hughes have both won Intercollegiate boxing titles.

In track and field Hughes is prominent as is Patch in rowing. Lindsay, Pue-Gilchrist, Rehder and Reynolds are some Engineering water-pollists. Not all sports and certainly not all Engineers who play them are in the list but it should serve to show that Engineers "get around" in sports as well as in other things.

Probably the most popular of all sports with Engineers has no name and certainly no rules. It consists of dropping or throwing chalk, snowballs in season or burning Dailies from windows so that Coeds passing in front of the Engineering building sometimes have to skip (Continued on Page Four)

Senior Cagers Beat "Y" In Season's First Game

Sandburg Nets Winning Basket with 55 Seconds to Play

Intermediates Lose Close Battle to Sir George Williams

The senior cagers opened their season's activities on Saturday night by nosing out the Central Y.M.C.A. 37-35, in an exhibition game in the M.H.S. In spite of a slippery waxed floor, play was fast throughout the whole game. McGill were leading all the way until in the last three minutes, the Y.M.C.A. came from behind only to be nosed out again by one basket.

The Redmen, in the persons of Giannasio and Wykes were very effective under the basket while the Y team, due to the close guarding of Kingston and Sandburg, relied more upon their long shots. Sprowell was doing good work around the basket for the Y in the latter part of the game. In the first half McGill appeared to have the better of the play leading from the beginning of the game. The first half ended with the Redmen leading 19-13.

Engineer Gets Winning Basket.

The second half found the Y.M.C.A. fighting harder and gradually catching up on the Redmen with only three minutes to play McGill were leading by one point. At this stage Wykes fouled and Abelson taking the free throws for the Y, dropped the first one to tie up the score. He missed the second shot but neatly picked up the rebound for a field goal setting the Y.M.C.A. two points in the lead. With a minute and a half to play Giannasio tied up the score again.

The play from this point on became very fast and exciting and finally with 55 seconds of play remaining Sandburg netted the basket which decided the winner. Fifteen seconds later Mislaf followed up with an additional basket to increase the lead to four points. With only 20 seconds to go Sprowell, who was playing good basketball for the Y in the latter part of the game, tallied a basket to put his team within one basket of the Redmen. The last few seconds of play featured a desperate attempt by the Y.M.C.A. to tie up the score but the excellent guarding of the Redmen prevented them from getting within scoring distance and the game ended with McGill leading 37-35.

Line-ups:

McGILL				
	F.G.	F.T.	P.F.	Pts.
Purdie, f.	0	0	4	0
Giannasio, f.	5	1	0	11
Wykes, c.	5	0	2	10
Sandburg, g.	2	2	3	6
Kingston, g.	2	1	1	5
Mislaf, f.	1	0	1	2
Holdredge, f.	0	0	2	0
Drysdale, c.	0	0	0	0
DeWitt, g.	0	0	1	0
Kallas, g.	1	1	1	3
Total				27

Y.M.C.A.				
	F.G.	F.T.	P.F.	Pts.
Cooke, f.	2	1	1	5
Forbes, f.	1	0	1	2
Henley, c.	2	1	2	5
Abelson, g.	3	4	1	10
Smith, g.	0	0	1	0
Sprowell, f.	4	0	0	8
Mardhall, f.	0	0	3	0
Jonas, c.	1	0	0	2
Rovinsky, g.	0	0	1	0
White, g.	1	1	0	3
Total				35

FENCING

McGill "A" Fencing Team lost their inter-city fencing match against Y.M.H.A. last Friday night by a score of 5 bouts to 4.

The schedule of the McGill team includes bouts against Sun Life next week and Central Y.M.C.A. the following week.

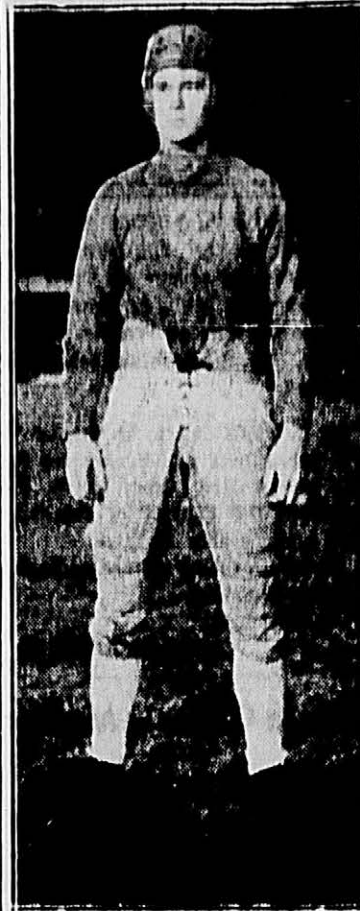
Dr. Bonness of Y.M.H.A. won all three of his bouts. Complete results were as follows:

Y.M.H.A.—Dr. Bonness 3 bouts.
Henneman 1 bout. Schwartz 1 bout.

McGill—Doug Reilly 2 bouts.
Jack Hermann 2 bouts. Jack McNiven 0.

HIS MAJESTY'S
(Prior to Broadway)
5 DAYS Starting Tomorrow
(MATS. WED. & SAT.)
London's Laugh Hit!
ROBERT BENDERSON Presents
Ethel M. Allen
WIMWOOD • SKIPWORTH
Y.C.
MUGENT • KILBRIDE
J.B. Priestley's Farce Comedy Hit
WHEN WE ARE MARRIED
with ANN ANDREWS
MARRIED BY MARY & RALPH GILBY
Produced by
Seeds Now Selling
Nov. 28, 29, 30, 31, Dec. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

Plumber Perry



PERRY FOSTER, who was kept out of action by an early injury, when headed for his biggest season.

SPORTS... A CRITICISM

By B.C.

It is quite possible that the ideas brought forth below will awaken little or no sympathy in the minds of sports fans. But we believe that there is a justification in attempting to observe all branches of athletics in another light, as compared with the standard procedure. There are some who will say it is quibbling and an attempt to make an issue out of something which does not really exist. However, even with this shadow overhanging the completed effort we shall commence.

There was a time when athletics were not classified as big business. There was a time when athletes played for pleasure, and for pleasure alone. Those were the days when the meaning of the word amateur could be found in a dictionary. Times have changed and all sports which originated from humble beginnings are now "big business." No more have the athletes alone, a voice in the future of their chosen sports. They have become puppets and must play upon a stage. If the sport in which they play does not please the audience, it must be changed. The box office demands it. And the box office has the final say in the matter.

It is not logical that the spectators should have the voting power in sport. To say the least it is foolish and asinine. Mobs of glibbering, peanut chewing, blood-thirsty and thrill-seeking fools by virtue of a few cents per head have exerted too much power in athletics. They have changed every game so as to provide themselves with thrills. Every worthwhile sport has felt their evil influence. They have crashed the gate in all sports and in so doing have distorted many beyond recognition by their influence. Perhaps it is not entirely justifiable to accuse the spectators alone, for they as a group do not hold the power. It is the "money getting" clique acting as the middle men between the players and the spectators playing off one against the other in an economic balance. A balance which (Continued on Page Four).

ENGINEERS SEE GIRLS PERFORM IN CAGE TILTS

Watch Freshettes Swamp Seniors 34-8

HARGREAVES STARS

Third Year Defeats Defending Champions By 23-7 Score

By K.F.W. and J.H.W.

At 5 p.m. Friday two lovely engineers boldly invaded R.V.C. without so much as a glance at the lovely co-eds about them, they marched upstairs to the Recreation Hall, where two interclass basketball games were scheduled to be played. Imagine their amazement on entering the hall to find it in complete darkness. Unable to find light switches, they sat down in complete darkness to await the arrival of the teams. In a short while the girls began to trickle in, astonished to find two engineers loose in R.V.C.

Two co-eds immediately attached themselves to the reporters and were a great source of help in identifying the players. In the first game the Freshettes opposed the Seniors with devastating results. Scarcely giving the Seniors time to realize that the ball was in play, the combination of Hargreaves, Richman and Johnston, scored three baskets before the Seniors chalked up one. And the ball flew faster and faster, one Senior evidently thinking that the Engineers were to blame for their rout heaved the ball at them. With the agility that only Engineers can attain, they leaped aside and the ball went through an open window, to the ground three stories below. Another ball was produced and the game continued. Toward the end of the first half the Seniors staged a rally, but it was short-lived. The score at half-time was 21-5 in favour of First Year.

The second half was a repetition of the first though the Fourth Year girls put up a stiffer fight. The final score was 34-8. Outstanding for the winners were Estelle Hargreaves, and Eileen Johnston, while Gloria "Pill" Fraser carried most of the fight for the losers.

First year — Hargreaves (17); Johnston (14); Orr (2); Richman (1); Heward; Elliot; Thomas.

Fourth year—Fraser (6); Ramsay

Building a Savings Account

A savings account is not a mere matter of dollars and cents, any more than a building is a mere agglomeration of bricks or stone and mortar. Both require planning.

Budget your expenses and plan the saving of a certain sum for periodic deposit in your savings account with this Bank.

THE CANADIAN BANK OF COMMERCE

Total Assets Over \$700,000,000.

S. W. Howarth Limited

CLOTHIERS AND OUTFITTERS

Specializing in College Outfits

DRESS CLOTHES MADE TO MEASURE

1444 St. Catherine St. W.

Montreal

Telephone PLateau 4009



Those who appreciate Fine Quality will also appreciate the Economy of these High Grade British Suitings. It's an Investment towards Business and Social Success.



HIGHEST QUALITY

COAL

FARQUHAR ROBERTSON LIMITED

614 St. James St. W.

MArquette 7511



FASHION-CRAFT OVERCOATS From \$25

Here is why. When it became known that Overcoat prices would be greatly increased — Lechasseur purchased all available Fashion-Craft Overcoats — These added to our regular requirements which were purchased last MAY gives you a choice the like of which we've never offered before... Our "covering up" enables us to offer you unusually reasonable prices.

Tailored by Fashion-Craft

From \$25.00

Lechasseur Limited

274 St. Catherine W.

281 St. Catherine E.

375 St. James

NEWTON-YEA-DINNER
Dinner
VENUS
RESTAURANT & GRILL
615 St. Catherine W.
Breakfast - .20
Lunch - .35
Afternoon Tea - .25
Dinner - .50
Dance and Dine
Featuring Leo Rapkin and His Swing Orchestra
No Minimum or Cover Charge
CATERING
for Banquets, Clubs, Parties and Staff Dinners
Special Prices For Students

O.O.O.O.IIHH
A CORONA
Just what I wanted for my school work!
I certainly love it!
Portable Typewriters, Chemical, Engineering, Mathematical, etc., Keyboards at no extra cost, also Reconditioned Portables from \$15
WM. M. HALL & CO. REG'D
302 Notre Dame West
MArquette 1295 Montreal

C.O.T.C. INFANTRY INVADED ST. JOHN

(Continued from Page One)

for the Bren guns were mounted on tripods and the riflemen of the section formed into a ring so as to direct a cone of fire towards the attacking plane.

Locate Gun Nest.

Major Berteau then asked the McGill visitors to march around behind the riding school as their host had to prepare the next item on the programme very secretly. In a few minutes, the cadets were marched back onto the polo field, and Sergeant-Major Russell, telling them that there were two machine-gun nests hidden between them and the Richelieu, only a hundred and fifty yards away, asked them to try to locate them. There was not a man who did not place the camouflaged nest somewhere over the slight rise of land near the river-bank and the various patches of willows and tall grass were guessed as the hiding-place. Great was the chagrin of about four hundred young men when they were led to a spot where one nest was concealed not more than a hundred yards from where they had stood and in a perfectly open spot. Asked to guess where the other nest was, the students gave up with the idea that they were probably standing on top of it and had failed to notice it.

A demonstration of wiring operations then took place, in which the infantrymen learned that a very definite method has to be used, and when the wire has been set out what a serious obstacle it is. Immediately after the wiring a smoke-bomb demonstration followed and a small amount of tear-gas was released among the cadets, who soon realized that even this mild gas has very uncomfortable effects, as they filled out of the riding-school coughing and weeping.

The tour completed, the C.O.T.C. men assembled for refreshments, provided by the Dragoons, and on the proposal of a vote of thanks to Major Berteau and his command by Major de Lalanne, gave three cheers for their hosts.

In response, Major Berteau declared that he and his officers, warrant officers, N.C.O.s and men had been delighted to have them and that they were most welcome.

F. C. JAMES TO ATTEND BANQUET

(Continued from Page One)

cities of Toronto and Queen's, who have assured that their representatives will attend the banquet. This illustrates the strong bond of inter-university co-operation in existence among these universities.

The Society hopes that all engineers will attend the banquet and make it a memorable one. This gathering gives all Engineers an opportunity to meet McGill's new Principal and it is hoped that they will take advantage of it.

MOUNT ALLISON PROPOSES UNION

(Continued from Page One)

of the special committee will be presented to the union at tomorrow's meeting.

It would seem at the moment, with the final decision in the offing, that if the C.S.A. and the N.F.C.U.S.

MCGILL UNIVERSITY CONTINGENT (148th BATTALION, C.E.F.)

C. O. T. C.

CONTINGENT ORDERS PART I, Nos. 172-174
By: Col. A. A. Magee, D.S.O., E.D., A.D.C.-A/Commanding Officer

MONTREAL, MONDAY, 27th NOVEMBER, 1939.

173. DUTIES.

Orderly Officer for week commencing 26th November, 1939—2/Lieut. E. F. Clarke. Next to duty—2/Lieut. D. Brain. Orderly Sergeants for week commencing 26th November, 1939—(Afternoon) Corp. M. R. Dufresne; (Evening) Serg. R. P. Birse. Next to duty—(Afternoon) Serg. J. R. Poud; (Evening) Corp. J. Donville. Orderly Sergeants will report at the Orderly Room fifteen minutes before parade to collect Attendance Cards and Parade Slates for distribution to Company Orderlies. These must be returned to the Orderly Room immediately after roll-call.

174. PARADES.

(a) Those attending instructors' course will parade in the Montreal High School on Monday, 27th November; Wednesday, 29th November; Friday, 1st December at 2000 hours. (b) Those attending Special Medicals Course will parade on Wednesday, 29th November, at the Medical Building, at 2000 hours. (c) The Contingent will parade as follows: Monday, 27th November; Wednesday, 29th November; Friday, 1st December. 1, 2, 5, 7 Coy's at 1715 hours. 3, 4, 6, 8 Coy's at 2000 hours. On Monday, 27th November, at the Craig Street Drill Hall of the 2nd Montreal Regt. R.C.A. at 1700 hours. They will parade on Monday, 27th November, at 1715 hours. Artillery Troops "D" and "E" will parade on Tuesday evening, 28th November, at the Craig Street Drill Hall of the 2nd Montreal Regt. R.C.A. at 2000 hours; but will NOT parade on Monday, 27th November. They will parade on the Campus on Friday, 1st December, at 2000 hours. Artillery Troop "B" will parade on Friday, 1st December, at the Craig Street Drill Hall of the 2nd Montreal Regt. R.C.A. at 1700 hours. They will parade on the Campus on Monday, 27th November. It should be noted that the whole Contingent will parade on the Campus on Wednesday, 29th November. Except where otherwise stated, parades will be held on the Campus, weather permitting. In case of wet weather, parades will be detailed to rooms to be posted on the Notice Board at Contingent Headquarters.

H. David Spielman, Lieut.
for G. A. GRIMSON,
Major and Adjutant.

House Builders Tour Ottawa Court Site

Train Wreck
Features
Tour
By A. K. R.

(Continued from Page One)

This wreck may not make history.

But at least we get publicity."

Sid Litwick:

"The train jerked to a stop—

that's where I got off."

D. Phillips:

"There was an ear-splitting crash—We awoke in a pall of darkness—We had unscathed the bulbs before going to sleep."

H. De Piero:

"I was sitting in the last seat so Arlene couldn't have pushed me."

A. Scott:

"You can't put an architect down."

C. Chard:

"I can't tell fortunes."

D. Stoker:

"Everything went off with a bang."

Tony Lewis:

"Everyone in one carriage seemed scattered all over the show."

J. Darby:

"Homeward bound, Not a sound, Peaceful and quiet, Crash!!! Climb out, Smoke and dust, Engine's bust!"

S. McNab (disputing):

"Never sleep with your tongue out."

H. Langston:

"My partner bid two hearts to open.

I raised him three, you know, just hopin',

He then said 'five,' and sakes alive,

I went grand slam and got it."

NOTICES

Notices must be in by 7 p.m. They will not be accepted over the telephone. "For Sale" and "Wanted" items will be considered as advertising and should be submitted to the Advertising Manager.

R.V.C. Glee Club

The R.V.C. Glee Club will meet with the McGill Glee Club today at 5 p.m. in the Union Grill Room. Everybody out.

Western Canada Students

Will any students from Western Canada planning to go home for the Xmas Holidays please get in touch with Russ Merfield at the McGill Union.

If a sufficient number can be organized the C.P.R. will again reserve a special McGill car and give reduced party rates.

Appointments, Graduate Fellowships, Scholarships, etc.

Particulars of Civil Service Appointments are filed in the Registrar's Office. Students who are

interested should consult Miss Whiteley for details.

Boeing School—United Air Lines Scholarships. Closing date—11th March, 1940.

Radcliffe College Fellowships. Closing date—1st March, 1940.

Yale University—Alexander Brown Cox Memorial Fellowships in the Biological Sciences.

T. H. Matthews, Registrar. (W.)

International Senior Fellowships in Science

The International Federation of University Women is offering a Senior Fellowship of the value of \$230 to enable the holder to carry on a year's research work in science in some country other than her own during the academic year 1940-41.

The Fellowship will be awarded for work in Mathematics, Physics, Chemistry, Geology, Biological Science (including Physiology and Pathology).

The Fellowship is open to members of Associations or Federations forming branches of the International Federation of University Women. Application must be made by the 1st January, 1940.

Each candidate shall submit, if possible, three copies of her published works. For the convenience of the judges, if the work submitted is in a language other than English, French, or German, a resume in one of those languages shall be submitted.

All applications and accompanying documents must be typewritten.

NOTE: This Fellowship is not intended for persons who have already attained positions of professional standing in the universities.

Awards in favour of persons of this standing will only be made in exceptional circumstances.

Full particulars of this award are filed in the Registrar's Office. Students who are interested should consult Miss Whiteley for details.

(Tn.)

T. H. Matthews, Registrar.

Short Story Contest

To stimulate interest in Canadian talent, the New Advance is holding a short story contest. Three prizes will be awarded—\$25, \$10, \$5, and the winning manuscripts will be published in the New Advance.

Send your stories to New Advance, Canada's National Youth Magazine, 21 Washington Street, Toronto, Ont. before midnight, February 29, 1940.

Rules:

No identifying marks are to be placed on manuscript. Print a pseudonym plainly on the title page, and a title and pseudonym on the outside of a sealed envelope containing full name and address.

Type manuscripts, double spaced, on one side of the paper only. (Consideration will be given, however, to manuscripts legibly written on foolscap.)

All manuscripts submitted are to become the property of the New Advance.

Judges: E. K. Brown, Professor of English, University of Toronto, and Howe Martyn, editor of the Canadian Bookman. Decision of the judges is final. (M.)

TWENTY-TWO STUDENTS VOLUNTEER FOR EXPERIMENT TO TEST EFFECTS OF GELATIN

Cambridge, Mass. — Twenty-two students, mostly Freshmen, have volunteered to act as guinea pigs in a novel experiment which the University is sponsoring. David B. Dill, professor of Industrial Physiology, announced yesterday. The object of the experiment is to determine whether gelatin is the miracle food it is claimed to be.

Since October 1 these 22 guinea pigs have lived under a rigid training regimen. Assistant Track Coach Bill Neufeld has had them entirely under his control, and has given them about the same sort of training that middle distance runners undergo. However, there have been no restrictions on their diet.

Feeding Starts Next Month. Early next month Dill, who has been with the Fatigue Laboratory ever since its organization in 1927, will start feeding his guinea pigs an ounce of gelatin a day. Not in dessert form, this gelatin is dry and must be washed down with cold water.

The amount of gelatin in the ordinary desert, he pointed out, is probably less than one tenth of an ounce. No one knows the exact chemical formula of gelatin; it is a complex protein containing carbon, hydrogen, oxygen, and nitrogen.

—Harvard Crimson.

Sympathetic passerby (to wailing youngster): "You say your father drowned all your kittens? My, what a heartless deed!"

Lad (inconsolably): "Yeh, boo-hoo-o! He promised me I could do it."—Sask. Sheaf.

"Darling," he cried in tender tones, "I never loved but thee."

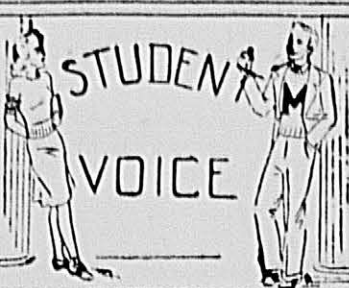
"Then we must part," the maiden said.

"No amateurs for me."

—Sask. Sheaf.

Roses are blue, Violets are pink, Immediately after The thirteenth drink.

—Brunswickian.



(Letters to the Editor must be accompanied by the name and address of the sender to show the author's good faith, but anonymity will be respected on request. Letters should be typewritten whenever possible.)

In Friday's letter of thanks to the subscribers and canvassers for the recent Red Cross drive the name of the Faculty of Dentistry was inexcusably omitted.

Please accept my sincere apologies for this oversight.

Sincerely,

RUSS MERFIELD.

Waste Organic Matter

(Continued from Page Two)

cial variety is combined with the low cost of the natural product.

Turfal, an organic compound important in making preservatives, disinfectants, deodorants and paint removers, can now be derived from cottonseed hulls. The process is being perfected at the University of Tennessee.

Xylose, a rare, non-fermenting wood sugar, is already being extracted from the hulls, whose chief use until now has been as a roughage feed for livestock.

Sugarcane bagasse is one of the most plentiful agricultural waste products. It can be made into several grades of synthetic resin for costs far below that of any resin now on the market.

Bagasse, baled and delivered, costs about 8 dollars a ton. On this basis, resin of a grade as strong and useful as bakelite may be made at a material cost of 4½ cents a pound. A cheaper quality may be made for slightly over 2 cents a pound.

In the United States, mica has always been imported. Now it seems probable that the U. S. can become independent of outside sources. At the Sixteenth Colloid Symposium of the American Chemical Society, held at Stanford University, Professor Ernst A. Hauser, of M. I. T., announced a substitute for mineral mica, made from clay. The first samples of "alsifilm," as it is known, deteriorated after soaking in water, but the latest improved form is almost completely impervious to water; it is also resistant to oils and other organic solvents, and heat and flame do not effect it very appreciably. Interestingly, it is not only like mica physically, but has a very similar chemical composition.

Brazil may soon find excellent uses for her huge coffee surplus. The H. S. Polin Laboratory of Research in Physics has developed a plastic made entirely from green coffee-beans. The product may be made thermo-plastic or thermo-setting; the coffee-bean is the source of the catalysts, plasticizer, filler, and even the colouring dyes. Green, red, brown, yellow, mahogany and black plastic may be obtained. The plastic can be moulded, and readily worked with wood-working tools. The wearing quality, which is comparable with the finest linoleum, suggests its great possibilities as a floor covering. It resists common solvents like weak acids and bases, oils, ketones, and so on. Its dielectric properties make it a fairly good electrical insulation.

Among the by-products of its manufacture are vegetable dyes, colour indicators in chemistry, and coffee oil. The latter may be used as a cooking oil, as a mixing oil for paints, and in pharmaceutical products. An emulsifying agent and a colloid-forming chemical are also by-products.

engineering sports by chemeng 3

(Continued from Page Three)

through a rain of the above-mentioned articles. One advantage or disadvantage of this, to Coeds, is that it may be taken as a sort of perpetual popularity poll. If the fair R. V. C. is showered with chalk and snow she doesn't have to worry about anything except saving her hat but if she walks by without so much as one blazing Daily or a Tarzan yell bestowed on her then she'll probably have a tough time getting dates for Sadie Hawkins week.

Among lesser known sports peculiar to Engineers are such ones as "Looking at the Timetable." Printed timetables such as are given to other faculties are not distributed to the Plumbers, instead a slightly complicated arrangement of colored and numbered cards is put

ANNUAL PICTURES

The deadline for Annual pictures is only a week away, and some 140 still to go. Those who have not yet had their picture taken are advised to do so without delay, in order to avoid having a rush at the end.

The following MEDICAL students are particularly asked to get their pictures TODAY or TOMORROW.

4th YEAR

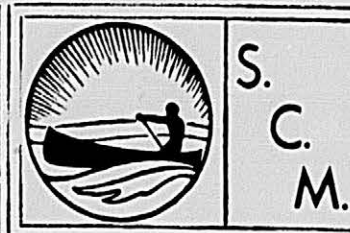
Albert, R.
Applin, H. H.
Alford, E. L. G.
Bannon, J. H.
Barnard
Beattie, H. A.
Beaubien, J.
Bowers, G. C.
Breed, F. M.
Cohen, A.
Enright, W. M.
Eysenck, R. E.
Friedland, S.
Friedman, S. M.
Geggie, H. J. S.
Gordon, L.
Johnson, A. L.
Kirsch, A.
McLaughlin, Wm. F.

McLellan, G. W.
Morton, P. V.
Nangle, T. P.
Nangle, W. E.
Ogilvie, E. P.
Paine, J. R.
Phillips, J. Y.
Powell, J. E.
Reid, J. A.
Rendon, E. M.
Rice, R. G.
Riven, D. J.
Rochman, S.
Sklimovitch, M.
Smith, I. T.
Smyth, D. C.
Storrs, B. D.
Tweedie, F. J.
Watson, T. P.

5th YEAR

Aber, S.
Argo, W. L.
Asherman, E. G.
Berry, D. A.
Blundell, S. F.
Dodd, J. R.
Earling, H.
Eisberg, H. B.
Ferman, J. A.
Goldthwaite, D. D.
Hamblet, J. B.
Hamby, W. C.
Hart, R. G.
Lund, P. K.
McEnder, D. P.
McKenzie, R. B.
Manley, W. J.

Mantell, C.
Mearns, R. B.
Mendelson, H. I.
Newton, B. L.
Rosenhek, C.
Sadler, O. M. E.
Sadovskiy, V. J.
Schuster, E. G.
Slalen, E. F.
Straub, R. L.
Telford, K. M.
Toll, M. W.
Turgeon, G. R.
Woods, R. P.
Wroth, P.
Young, S.



MONDAY

12—Meeting of the Worship Committee to plan the Christmas Carol Service, December 17th.

1—Cabinet Meeting.

5—The Freshman Discussion Group time will be changed this week. Watch S.C.M. Notes for announcement.

WEDNESDAY

4-6—Tea in the front office, Strathcona Hall. Cups and saucers are urgently needed! Any contributions would be appreciated.

SATURDAY-SUNDAY

Week-end Conference in Strathcona Hall.

ENGINEERS SEE GIRLS PERFORM IN CAGE TILTS

(Continued from Page Three)

Rosemary Power's and Nancy Nicol's accurate passes completely outwitted the opposition. As in the first game the Engineers were a target for a fast moving ball which however caught the referee amidsthips and thus saved the day for them.

Marie Amory, Joy Tellier, and Margaret Cameron were the mainstay of the Physical Eds.

Third Year—Tyndale (12); Power (6); Nicol (3); Arendt; Rossiter; Lyster.

M.S.P.E.—Cameron (2); Amory (3); Tellier (2); Wadsworth; Scott; Hart; Robinson.

Making love is like making pie—all you need is crust and a lot of apple-sauce.

—Auburn Plainsman.

SPORTS... A CRITICISM

By B.C.

(Continued from Page Three)

pays dividends to those who hold the scales.

By virtue of this set up many games have been changed beyond comprehensive recognition. Hockey has been modernized. Not because it gave the players a better game but because it pleased those who would pay money to see it.

Wrestling has been converted into a farce because of paying customers. Other sports have felt changes and are still feeling them. Rule changing is a disease for which there is no remedy and once it gets a hold on a sport it gradually kills it. The process may be slow, but the "dead end" is the sport's only destiny thereafter.

There are those who think of changing the rules in Canadian football. The idea in mind, so they say, is to make the game wide open and interesting—but for whom? They will argue that the players will benefit by each change that is contemplated. If that is the case why don't the majority of the players ask for a change. The truth is that the players don't want it. But still the valiant crusaders pursue the task of changing rules. When the football team in the home town does not click, the cash customers stay away. The gate receipts drop. Someone loses money. Something has to be done. . . . Get the money back. . . . Draw bigger crowds. . . . Do what? . . . The team is not good enough to take the championship and draw crowds. . . . Give the crowds something different to see, and they will bring the money. But what? It is really simple. Change the rules.

He—Sweetheart, I love you terribly.

She—You certainly do.

IN THIS CORNER

By Pete

The time has come when all McGill's potential boxing-champions should be rounding into fine physical condition. Coach Bert Light has been giving the boys some real workouts these last few weeks and he feels that this is McGill's year.

There has been a great deal of enthusiasm shown among the boxers this year, and the boys are really working hard. Large turnout and some fine prospects has made Bert feel good.

In the 118 pound division Abe Bazerman is out to regain the Intercollegiate title which he held three years ago. In the 127 pound class Vaughn Mason has shown some real style. The 135 pounders are numerous while Shorteno and Ling have especially attracted Coach Light's attention. Deblais, who fights at 145 pounds is a newcomer to the boxing squad but he has already established himself as a real contender for the crown in this class. Bert has real hopes for this boy in the Assault at Arms.

In the 155 pound division Cocherane, Stanley and Simons are out. At 165 pounds there is a newcomer by the name of Standish, while at 175 pounds Jim Harrison, an old standby of the boxing squad is out. In the heavyweight class McGill looks stronger than ever, with Tom Hughes, last year's inter-collegiate champion, Jim Simpson, another newcomer with whom Bert Light is greatly impressed because of his natural boxing and hitting ability, and George Muttelbury, whom Bert hopes to see out in the near future. George held the heavyweight crown two years ago. The boxing team is fortunate this year in having a really efficient manager in the person of Harry Jay.

Just now the boxers are pointing towards their meet in January with the United States Coast Guard Academy. This is the first time that

the boxing team has clashed with an outside college except for their annual meeting with Toronto, Queens, and O.A.C.

After this meet the boxers will prepare themselves for the annual Assault at Arms, where the four colleges, Varsity, Queens, O.A.C., and McGill clash to determine the inter-collegiate boxing champions. The meet will be held in Montreal this year about the middle of February.

Commencing this Saturday exhibition bouts will be held between the boxers of each class and it is hoped that a meeting with the Y.M.C.A. Club can be arranged so that the McGill boxers will be able to gain the art of ringcraft.

The public relations counsel of a utility company was extolling the virtues of the firm. "To play on the words of a famous poem," he said, "Honor the Light Brigade."

From the back of the room came an echo, "Oh, what a charge they made!"

—Fordham Ram.

He: "Do you neck?"

She: "That's my business."

He: "Oh, a professional."

—BRUNSWICKIAN.

He: "Do you neck?"

She: "That's my business."

He: "Oh, a professional."

—BRUNSWICKIAN.

He: "Do you neck?"

She: "That's my business."

He: "Oh, a professional."

—BRUNSWICKIAN.

He: "Do you neck?"

She: "That's my business."

He: "Oh, a professional."

—BRUNSWICKIAN.